

## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,094  
Source: PT/10  
Date Processed by STIC: 1/13/05

***ENTERED***



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/520,094

DATE: 01/13/2005  
TIME: 10:49:04

Input Set : A:\BHJ7USA.txt  
Output Set: N:\CRF4\01132005\J520094.raw

3 <110> APPLICANT: Ecole Polytechnique Federale de Lausanne  
 5 <120> TITLE OF INVENTION: Selective Photochemotherapy Using Oligonucleotide Targeting  
 6 Agents  
 8 <130> FILE REFERENCE: BHJ7USA  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/520,094  
 C--> 10 <141> CURRENT FILING DATE: 2005-01-04  
 10 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/008052  
 11 <151> PRIOR FILING DATE: 2003-07-04  
 13 <150> PRIOR APPLICATION NUMBER: GB 0215534.9  
 14 <151> PRIOR FILING DATE: 2002-07-04  
 16 <160> NUMBER OF SEQ ID NOS: 16  
 18 <170> SOFTWARE: PatentIn version 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 20  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Unknown  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Synthetic oligonucleotide  
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 29 tgcttagttt cctcccttc 20  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 28  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: Unknown  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: synthetic oligonucleotide  
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 43 <222> LOCATION: (1)..(1)  
 44 <223> OTHER INFORMATION: guanine labelled with pheophorbide a  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: misc\_feature /  
 48 <222> LOCATION: (28)..(28)  
 49 <223> OTHER INFORMATION: cytosine labelled with pheophorbide a  
 51 <400> SEQUENCE: 2  
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 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 28  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Unknown  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: synthetic oligonucleotide  
 64 <220> FEATURE:

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65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)..(1)
67 <223> OTHER INFORMATION: guanine labelled with chlorin e6
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70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (28)..(28)
72 <223> OTHER INFORMATION: cytosine labelled with chlorin e6
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81 <213> ORGANISM: Unknown
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84 <223> OTHER INFORMATION: synthetic oligonucleotide
86 <400> SEQUENCE: 4
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90 <210> SEQ ID NO: 5
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Unknown
95 <220> FEATURE:
96 <223> OTHER INFORMATION: synthetic oligonucleotide
98 <400> SEQUENCE: 5
99 ctgactgcca actatgaaca 20
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 20
104 <212> TYPE: DNA
105 <213> ORGANISM: Unknown
107 <220> FEATURE:
108 <223> OTHER INFORMATION: synthetic oligonucleotide
110 <400> SEQUENCE: 6
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116 <212> TYPE: DNA
117 <213> ORGANISM: Unknown
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127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: Unknown
131 <220> FEATURE:
132 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 8
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138 <210> SEQ ID NO: 9  
139 <211> LENGTH: 43  
140 <212> TYPE: DNA  
141 <213> ORGANISM: Unknown  
143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Part of Mam gene sequence (GenBank Accession No. AF015224)  
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150 <210> SEQ ID NO: 10  
151 <211> LENGTH: 54  
152 <212> TYPE: DNA  
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156 <223> OTHER INFORMATION: Artificial oligonucleotide  
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160 <221> NAME/KEY: misc\_feature  
161 <222> LOCATION: (1)..(1) /  
162 <223> OTHER INFORMATION: cytosine labelled with gold particle-S-(CH<sub>2</sub>)<sub>6</sub>  
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166 <222> LOCATION: (54)..(54) /  
167 <223> OTHER INFORMATION: guanine labelled with pheophorbide a  
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176 <213> ORGANISM: Unknown  
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179 <223> OTHER INFORMATION: synthetic oligonucleotide  
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183 <221> NAME/KEY: misc\_feature  
184 <222> LOCATION: (2)..(3)  
185 <223> OTHER INFORMATION: phosphorthioate link  
187 <220> FEATURE:  
188 <221> NAME/KEY: misc\_feature  
189 <222> LOCATION: (5)..(7)  
190 <223> OTHER INFORMATION: phosphorthioate link  
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193 <221> NAME/KEY: misc\_feature  
194 <222> LOCATION: (9)..(10)  
195 <223> OTHER INFORMATION: phosphorthioate link  
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198 <221> NAME/KEY: misc\_feature  
199 <222> LOCATION: (17)..(18)  
200 <223> OTHER INFORMATION: phosphorthioate link  
202 <220> FEATURE:  
203 <221> NAME/KEY: misc\_feature  
204 <222> LOCATION: (19)..(22)

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Input Set : A:\BHQ7USA.txt  
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205 <223> OTHER INFORMATION: phosphorthioate links  
207 <220> FEATURE:  
208 <221> NAME/KEY: misc\_feature  
209 <222> LOCATION: (24)..(25)  
210 <223> OTHER INFORMATION: phosphorthioate link  
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217 <211> LENGTH: 26  
218 <212> TYPE: DNA  
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221 <220> FEATURE:  
222 <223> OTHER INFORMATION: synthetic oligonucleotide  
225 <220> FEATURE:  
226 <221> NAME/KEY: misc\_feature  
227 <222> LOCATION: (2)..(3)  
228 <223> OTHER INFORMATION: phosphorthioate link  
230 <220> FEATURE:  
231 <221> NAME/KEY: misc\_feature  
232 <222> LOCATION: (5)..(7)  
233 <223> OTHER INFORMATION: phosphorthioate links  
235 <220> FEATURE:  
236 <221> NAME/KEY: misc\_feature  
237 <222> LOCATION: (9)..(10)  
238 <223> OTHER INFORMATION: phosphorthioate link  
240 <220> FEATURE:  
241 <221> NAME/KEY: misc\_feature  
242 <222> LOCATION: (17)..(22)  
243 <223> OTHER INFORMATION: phosphorthioate links  
245 <220> FEATURE:  
246 <221> NAME/KEY: misc\_feature  
247 <222> LOCATION: (24)..(25)  
248 <223> OTHER INFORMATION: phosphorthioate link  
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254 <210> SEQ ID NO: 13  
255 <211> LENGTH: 18  
256 <212> TYPE: DNA  
257 <213> ORGANISM: Unknown  
259 <220> FEATURE:  
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267 <211> LENGTH: 28  
268 <212> TYPE: DNA  
269 <213> ORGANISM: Unknown  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: synthetic oligonucleotide

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275 <220> FEATURE:  
276 <221> NAME/KEY: misc\_feature  
277 <222> LOCATION: (1)..(1)  
278 <223> OTHER INFORMATION: guanine labelled with chlorin e6  
280 <220> FEATURE:  
281 <221> NAME/KEY: misc\_feature  
282 <222> LOCATION: (2)..(3)  
283 <223> OTHER INFORMATION: phosphorthioate link  
285 <220> FEATURE:  
286 <221> NAME/KEY: misc\_feature  
287 <222> LOCATION: (4)..(6)  
288 <223> OTHER INFORMATION: phosphorthioate links  
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291 <221> NAME/KEY: misc\_feature  
292 <222> LOCATION: (11)..(13)  
293 <223> OTHER INFORMATION: phosphorthioate link  
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296 <221> NAME/KEY: misc\_feature  
297 <222> LOCATION: (22)..(27)  
298 <223> OTHER INFORMATION: phosphorthioate links  
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301 <221> NAME/KEY: misc\_feature  
302 <222> LOCATION: (28)..(28)  
303 <223> OTHER INFORMATION: cytosine labelled with chlorin e6  
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311 <212> TYPE: DNA  
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314 <220> FEATURE:  
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320 <222> LOCATION: (1)..(1)  
321 <223> OTHER INFORMATION: guanine labelled with chlorin e6  
323 <220> FEATURE:  
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325 <222> LOCATION: (2)..(3)  
326 <223> OTHER INFORMATION: phosphorthioate link  
328 <220> FEATURE:  
329 <221> NAME/KEY: misc\_feature  
330 <222> LOCATION: (4)..(5)  
331 <223> OTHER INFORMATION: phosphorthioate link  
333 <220> FEATURE:  
334 <221> NAME/KEY: misc\_feature  
335 <222> LOCATION: (8)..(9)  
336 <223> OTHER INFORMATION: phosphorthioate link  
338 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/520,094

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,28  
Seq#:3; N Pos. 1,28  
Seq#:10; N Pos. 1,54  
Seq#:14; N Pos. 1,28  
Seq#:15; N Pos. 1,28

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/520,094

DATE: 01/13/2005  
TIME: 10:49:05

Input Set : A:\BHJ7USA.txt  
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L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0